

# Technical Data Sheet



## Intulac™ Ultra Intumescent Base Coat Technical Data

**BOLLOM INTULAC™ ULTRA** varnish is a high performance fire protection coating system for wood for interior use.

The system comprises a clear Intumescent Base Coat - designed to form a protective carbon char in the event of fire, delaying the inflammation of the wood - and a clear Protective Top Coat (available in Matt and Satin finishes).

Intulac™ Ultra is applied to deliver Class 0 fire performance.

### Application Areas

Reduction of ignitability of soft and hard wood and other wood derivatives, i.e. plywood, chipboard, fibre insulation board, hard board, also on veneering  $\geq 12$  mm thickness. Insulates against heat, checks fire, prevents propagation of fire and diminishes flue-gas density and flue-gas temperature. **For interior use only. Not suitable for surfaces exposed to mechanical stress, such as floors, doors stairs etc.**

**Preparation** - Surface must be dry, free from dust, oil, wax, grease, release agents, etc. Wood substrates with wetting difficulties should be roughened thoroughly with abrasive paper. The moisture content of the timber should be below 15%. For particularly resinous or knotty timber apply 1 coat of Zinsser Sealcoat. Application over a maximum of four, well adhered, single coats of existing varnish is possible, sand lightly before applying Intulac Ultra Base Coat.

**Coating Preparation** - Stir thoroughly prior to application.

**Site Conditions** - Object temperature should not be below 10°C or exceed 40°C. Relative humidity should not exceed 70%. Application temperature shall be at least  $\geq 3$  K above dew point. In cases where relative humidity may exceed 70%, special measures must be taken to prevent condensation forming during application of the product.

### Drying Time

Touch dry 2hrs, hard dry 24 hrs at 20°C and 60% relative humidity.

Allow a minimum of 16 hours between coats of basecoat & 48 hours before applying Topcoat. Lower temperatures and higher relative humidity may extend drying time.

Do not stack timber components treated with the Bollom Intulac Ultra System.

**Bollom Intulac™ Intumescent Base Coat must be overcoated with Bollom Intulac™ Ultra Top Coat (Matt or Satin finish) after approximately 48 hours and not more than 4 days.**

### Application Methods

#### Airless spraying:

- Material shall be applied undiluted.
- Airless spray equipment with transmission  $\geq 30:1$ .
- Hose diameter not below 3/8".
- Recommended nozzle size 0.28-0.38 mm or 0.011-0.015".
- Solvent resistant hoses must be used.

Apply two coats of Intulac™ Ultra Intumescent Base Coat to a coverage of 5m<sup>2</sup>/L per coat for Class 0.

In order to obtain a very smooth finish by cutting down wood fibres, light sanding after the first coat is recommended (e.g. with 150 grade paper).

#### Brushing / Rolling:

- Material shall be applied undiluted.
- Apply two coats of Intulac™ Ultra Intumescent Base Coat to a coverage rate of 5 m<sup>2</sup>/L per coat for Class 0.

**Consumption / Coverage** - The Intulac™ Ultra system requires the application of **both** the Intumescent Base Coat and Protective Top Coat as follows;

<b>Class 0 (3 coat system)</b>	
<b>Intulac™ Ultra Intumescent Base Coat</b>	Apply 2 coats @ 5m <sup>2</sup> /L each coat
<b>Intulac™ Ultra Protective Top Coat</b>	Apply 1 coat @ 25m <sup>2</sup> /L

**A 5 Litre can of Intulac™ Ultra Intumescent Base Coat will cover 12.5m<sup>2</sup> for Class 0.**

#### **Cleaning Of Equipment**

Clean immediately after use with warm water.

#### **Shelf Life**

12 months from date of manufacture, in unopened tins stored in cool, well ventilated frost free conditions.

#### **Health & Safety** – refer to product MSDS

Keep out of the reach of children. Use personal protection equipment as required. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store in a closed container.

#### **VOC Information**

EU limit value for this product (cat A/i): 140 g/l. This product contains max 140 g/l VOC.

#### **How do I get Fire Certification?**

It's simple, just keep proof of purchase, batch numbers of the products used along with site details and contact our Customer Services Department on 0191 410 6611 with the information and they will send you the relevant Certificate of Supply within 5 working days.

The Bollom Intulac™ Ultra range has been made with the professional painter and decorator in mind and all products are easy to apply and have been fire tested to BS 476 Parts 6, 7.

For further information and data sheets please telephone Tor Coatings on 0191 410 6611, e-mail enquiries@tor-coatings.com or visit **www.bollomfire.co.uk**.